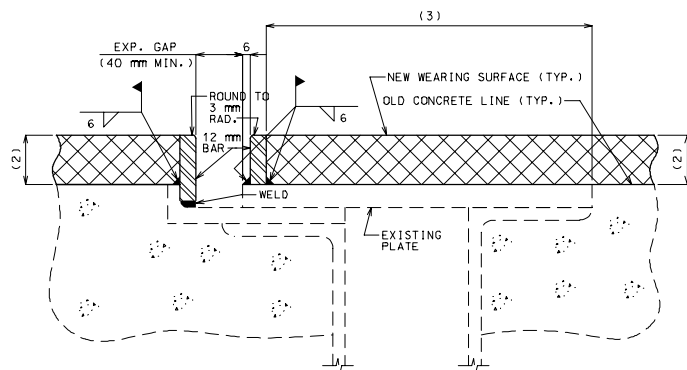


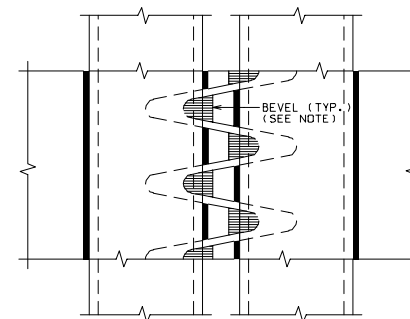
PART SECTION THRU EXPANSION DEVICE
DAMS AT FINGER TYPE EXPANSION DEVICES
TYPE "A"

NOTE: DASHED LINES INDICATE OLD WORK.
SOLID LINES INDICATE NEW WORK.

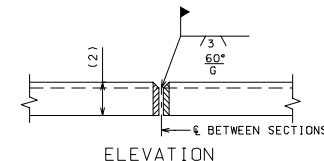
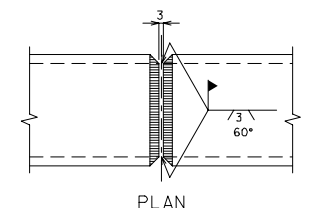


PART SECTION THRU EXPANSION DEVICE
DAMS AT PLATE TYPE EXPANSION DEVICES
TYPE "B"

NOTE: NOTCH FLANGE
WHERE NECESSARY TO
CLEAR RIVET HEADS.



PART PLAN AT EXPANSION DEVICE



DETAILS OF CHANNEL SPLICE
NOTE: FIELD SPLICE TO BE AT C/L ROADWAY FOR 2 LANE BRIDGES.

GENERAL NOTES:

STRUCTURAL STEEL SHALL BE GRADE 250 COMPLYING WITH ASTM SPECIFICATION A709M.

QUALIFICATION OF WELDING OPERATORS WILL BE REQUIRED.

ET016 OR ET018 ELECTRODES SHALL BE USED.

THE STEEL DAMS SHALL EXTEND FULL ROADWAY WIDTH BETWEEN CURBS, BUT SHALL BE INSTALLED IN SECTIONS OF SUCH LENGTHS TO PERMIT AT LEAST ONE WAY TRAFFIC AT ALL TIMES. BEFORE TRAFFIC IS PERMITTED TO CROSS OVER SECTIONS OF DAMS IN PLACE, SUFFICIENT WEARING SURFACE SHALL BE PLACED ON ROADWAY SLAB ADJACENT TO BOTH SIDES OF EXPANSION DEVICE TO PREVENT ANY DAMAGE TO EITHER THE STEEL DAMS OR TIRES OF VEHICLES.

STEEL DAMS SHALL CONFORM TO CROWN OF ROADWAY.

STEEL CHANNELS OR BARS ON BOTH SIDES OF EXPANSION JOINT, FOR FULL WIDTH OF ROADWAY, SHALL BE CONSIDERED AS A STEEL DAM ASSEMBLY AND PAID FOR AS ONE STEEL BAR DAM.

PAINT INSIDE SURFACE OF CHANNEL 0.127 mm THICKNESS OF INORGANIC ZINC PRIMER.

SHOP DRAWINGS WILL NOT BE REQUIRED FOR STEEL BAR DAMS.

ALL DIMENSIONS ARE SHOWN IN MILLIMETERS (mm) UNLESS OTHERWISE SPECIFIED.

(1) WEARING SURFACE THRU 45 mm USE CHANNEL C150 x 16. WEARING SURFACE GREATER THAN 45 mm TO 57 mm. USE CHANNEL C180 x 22 OR MC150 x 22.5.

(2) SEE BRIDGE PLANS FOR REQUIRED WEARING SURFACE THICKNESS.

(3) WHEN THIS DIMENSION EXCEEDS 75 mm AND A CONCRETE WEARING SURFACE IS USED, TACK WELD A ONE INCH BAR CHAIR TO THE PLATE FOR EACH 75 mm OF PLATE TO BE COVERED BY WEARING SURFACE.

MISSOURI HIGHWAY AND TRANSPORTATION
COMMISSION

STEEL DAMS
AT EXPANSION DEVICES
FOR RESURFACING BRIDGE FLOORS

DATE _____

EFFECTIVE: 01-01-2002

M712.40H

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